

HAMILTON COUNTY ENGINEER'S
SCOPE OF SERVICE
ENGLISH UNITS

1. PROJECT IDENTIFICATION:

PROJECT No: 509910

Road Name: UNION CEMETERY ROAD

Road No: 304

2. PROJECT LIMITS:

Intersection improvement of Union Cemetery Road at Montgomery Road (US 22 - SR 3).

Length: See Additional Information Sheet.

3. AGREEMENT BETWEEN CONSULTANT AND:

State _____ County XX City _____ Other _____

4. METHOD OF FINANCING:

Engineering: County Road & Bridge funds

Construction: Undecided at this time

5. WORK PHASES INCLUDED IN AGREEMENT:

PHASE A Design Report: Line, grade and typical sections on Base Sheets to be used in final plans. Critical cross sections are to be plotted. Potential design problem areas are to be identified.

PHASE B Construction Plans: To conform to Phase A recommendations. Final review submission is to include Special General Notes and Specifications and quantities.

6. PLAN SCALES:

Phase B (PLAN): 1" = 20' Min.

Phase B (PROFILE): Hor. 1" = 20' Min. Vert. 1" = 5' Min.

7. JOURNALIZED SPEED LIMIT:

Road Name: Union Cemetery Road - 35 MPH; Montgomery Road - 40 MPH

8. **TYPICAL SECTIONS/NUMBER OF LANES:**

Pavement to be widened to allow for lanes with a minimum width of eleven (11) feet and a desirable width of twelve (12) feet. Radius of the corner(s) to be sufficient to accommodate semi-trucks.

Curbs: YES _____ NO _____ Report to Recommend XX

Type: _____

Shoulders/Berms: YES _____ NO _____ Report to Recommend _____

Type: _____

Safety Grading Criteria: YES _____ NO XX Partial _____

Remarks: _____

9. **ALIGNMENT:**

Existing alignment is to be basically followed.

10. **PROFILE:**

Existing profile is to be followed as much as possible. Slight adjustments in profile may be required to establish/maintain drainage patterns.

11. **SIGNING:** YES XX NO _____

Phase A: YES _____ NO _____ Prelim Plan _____

Phase B: YES XX NO _____ Prelim Plan _____

12. **SIGNALS:** YES _____ NO _____ See Additional Information Sheet.

Phase A: Recommendation _____ Warrants _____ Prelim Plan _____

Phase B: Warrants _____ Final Plan _____

13. **STRIPING:** YES XX NO _____

Phase A: Recommendation _____ Prelim Plan _____

Phase B: Final Plan _____

14. **DRAINAGE:**

Phase A: Drainage Criteria _____ Preliminary Plan _____

Phase B: Drainage Criteria _____ Preliminary Plan _____

Type: Surface XX Closed XX Existing _____

Flood Plain Study Required: YES _____ NO _____

Channel Change Study Required: YES _____ NO _____

Remarks: Consultant is to determine if additional runoff will cause problems in immediate downstream areas.
This will mean in the first section of existing pipe to which a connection is made OR in the open flow areas to
the first major culvert.

15. **BRIDGE CROSSINGS:**

Number of Bridges: N/A

Cross Roads: _____

Streams: _____

Railroads: _____

Pedestrian: _____

Mass Transit: _____

Other: _____

Site Plans: _____

Supplemental Site Plans: _____

Railroad Location Plans: _____

Remarks: _____

16. **RETAINING WALLS:**

Number of Retaining Walls: None

Type(s) of Retaining Walls: _____

Phase A: YES _____ NO _____ Justification _____

Phase B: YES _____ NO _____ Justification _____

Remarks: _____

17. MAINTENANCE OF TRAFFIC:

Temporary Road(s): YES _____ NO XX Phase A to Recommend _____

Temporary Road Plans & Notes by: County _____ Consultant _____

Detour Plan Prepared by: County _____ Consultant _____

Remarks: Construction is to be completed under traffic. Consultant is to prepare tentative sequence of construction outline and maintenance of traffic notes in sufficient detail for the proper control of traffic through the project. Items are to be submitted with final review submission.

18. UTILITIES:

Water (XX) Sanitary (XX)

Electric (XX) Gas (XX)

Telephone (XX) Cable TV (XX)

Pub. Works (XX)

Others: _____

Consultant shall contact all Utility Companies and indicate all existing utilities (including house connections) on the plans as required by Section 193.64 O.R.C. (H.B.538). Consultant shall also furnish all utilities with preliminary and final plans with a copy of letters of the transmittal sent to the County Engineer. Plans for any modifications to water and sanitary utilities are to be part of the final construction plans.

	<u>County</u>	<u>Consultant</u>
Phase A - Plan Sheets	()	(XX)
Phase B - Plan Sheets	()	()

19. ESTIMATED QUANTITIES:

Phase A: YES _____ NO XX

Phase B: YES XX NO _____

Quantity Splits: YES _____ NO _____

(If yes, define splits such as construction sections, financial, political, etc.)

Remarks: _____

20. **CONSTRUCTION COST ESTIMATE:**

Phase A: YES _____ NO XX
Phase B: YES _____ NO XX
Submit with Proposal YES XX NO _____

21. **EXTENT OF FIELD SURVEYS:**

Survey Information by: Field Method XX Aerial _____

	<u>County</u>	<u>Consultant</u>
Main Road Alignment	()	(XX)
Main Road Profile	()	(XX)
Reference Points & Bench Marks	()	(XX)
Side Road Alignment	()	(XX)
Side Road Profile	()	(XX)
Alignment & Profile of Driveways	()	(XX)
Cross Sections	()	(XX)
Pavement Salvage Sections	()	(XX)
Channel Cross Sections	()	()
Profile of Channel	()	()
Topo Identification	()	(XX)
Utilities	()	(XX)
Property Lines	()	(XX)
Existing Right-of-way lines	()	(XX)
Geotechnical Boring Staking	()	()
Right-of-way Staking	()	()

22. **RIGHT-OF-WAY AND EASEMENTS:**

	<u>County</u>	<u>Consultant</u>
Property Map	()	()
Centerline Plat	()	()
Final Right-of-way Plans	()	()
Permanent/Temporary Easements	()	()
R/W & Easement Descriptions	()	()
R/W Summary	()	()
Establishment Plat	()	()
Establishment Descriptions	()	()
Appropriation Plats	()	()
Right-of-way Staking	()	()
Approximate Number of Parcels _____		

Remarks: Preparation of Right-of-way, easement and Establishment descriptions and plans will be handled by an Amendment to the Agreement.

23. TRAFFIC DATA:

State _____ County _____ Consultant XX

Remarks: Consultant is to determine updated traffic volumes for the design of the storage lane on Union Cemetery Road and for the setting of the timing patterns for the signal. As applicable, the Engineer's Traffic department and/or ODOT must approve the traffic volumes prior to use.

24. GEOTECHNICAL INVESTIGATION:

State _____ County XX Consultant _____ Other _____

Remarks: Work to be completed as needed. Consultant is to determine and field locate boring locations.

25. PRIOR STUDIES:

None

26. PUBLIC HEARINGS/INFORMATIONAL MEETINGS:

Type of Hearing Required: Public information meeting is possible.

Consultant's Responsibility: Consultant is to prepare the necessary exhibits and is to attend this meeting if it is scheduled.

Exhibits: Some plan and profile and preliminary Right-of-way exhibits may be necessary for this meeting.

SCOPE OF SERVICE

ADDITIONAL INFORMATION SHEET

UNION CEMETERY ROAD AT MONTGOMERY ROAD (US 22 - SR 3)

- 1) The pavement is to be widened so as to extend the available left-turn storage lanes on both legs of Union Cemetery Road. The final length of the storage lanes and all other proposed improvements will be determined by the Consultant based upon the updated traffic volumes.
- 2) The pavement section for the additional pavement will match as much as possible the section of the existing pavement. The minimum pavement section for the widening shall be two (2), five (5) inch courses of Item 301, Bituminous Aggregate Base; one (1), one and one-half (1 1/2) inch course of Item 446, Asphalt Concrete Intermediate Course, Type 1, and one (1), one and one-half (1 1/2) inch course of Item 446, Asphalt Concrete Surface Course, Type 1.
- 3) The existing signal at the intersection is under the jurisdiction of ODOT - District 8. The Consultant shall work with the various departments of ODOT to determine what modifications will be required to this signal in order to accommodate the improvements, including the provision for a left-turn arrow for each leg of Union Cemetery Road. These modifications may include the installation of new signal equipment and the revising of the signal timing, sequence or phasing. All signal work shall be in conformance with the applicable rules and regulations of ODOT.

Consultant shall work with ODOT to determine the signal head configurations and types. Consultant shall also work with ODOT to determine if a "Right Turn on Red" would be permitted.

Project is to include all signal design work necessary at this intersection.

- 4) The Consultant shall note that the design of ALL improvements within the right-of-way limits of Montgomery Road (US 22 - SR 3) must be submitted to ODOT for preliminary review and approval. As may be required, the Consultant will be responsible for the preparation of all materials and auxiliary information needed for the review/approval by ODOT, i.e. design exception requests, warrants, etc. The Consultant will NOT be responsible for obtaining a permit from ODOT for the construction of the improvements. The County shall obtain this permit at the time the construction is scheduled.

The Consultant MUST submit all plans to ODOT PRIOR to submitting final plans to the County. A copy of ODOT's approval letter MUST be submitted with the final plan submission.